

Python: module vcs.VCS_validation_functions

vcs.VCS_validation_functions

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Modules

[vcs.vcs](#)

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Classes

[exceptions.Exception](#)

PPE

class **PPE**([exceptions.Exception](#))

Methods defined here:

[__init__](#)(self, parameter, type)

[__str__](#)(self)

Methods inherited from [exceptions.Exception](#):

[__getitem__](#)(...)

Functions

DMS2deg(val)

converts DDDMMSSS to degrees

checkAxisConvert(self, name, value)

checkBoxfillType(self, name, value)

checkCalendar(self, name, value)

checkColor(self, name, value)

checkColorList(self, name, value)

checkDatawc(self, name, value)

```
checkExt(self, name, value)

checkFillAreaStyle(self, name, value)
    # #      checkName(self, name, value)
    # #      if not isinstance(value, str):
    # #          raise ValueError, 'The fillarea attribute must be a st
    # #      if not value.lower() in ['solid', 'hatch', 'pattern']:
    # #          raise ValueError, 'The fillarea attribute must be eit
    # #      return value

checkInStringsListInt(self, name, value, values)
    checks the line type

checkIndex(self, name, value)

checkIndicesList(self, name, value)

checkInt(self, name, value, minvalue=None, maxvalue=None)

checkIntFloat(self, name, value)

checkIsOfill(self, name, value)

checkIsoline(self, name, value)

checkIsolineLevels(self, name, value)

checkLegend(self, name, value)

checkLine(self, name, value)

checkLineType(self, name, value)

checkLinesList(self, name, value)

checkListOfNumbers(self, name, value, minvalue=None, maxvalue=None, minelements=None, maxelements=None)

checkListTuple(self, name, value)

checkMarker(self, name, value)

checkName(self, name, value)

checkNumber(self, name, value, minvalue=None, maxvalue=None)

checkOnOff(self, name, value, return_string=0)

checkProjParameters(self, name, value)

checkProjType(self, name, value)
    set the projection type
```

checkProjection(self, name, value)

checkStringDictionary(self, name, value)

checkTextsList(self, name, value)

checkTimeUnits(self, name, value)

checkVectorAlignment(self, name, value)

checkVectorType(self, name, value)

checkWrap(self, name, value)

checkYesNo(self, name, value)

checkname(self, name, value)

deg2DMS(val)
converts degrees to DDDMMSSS.ss format

getProjType(self)
get the projection type

isListorTuple(value)

isNumber(value, min=None, max=None)
Checks if value is a Number, optionaly can check if min<value<max

setProjParameter(self, name, value)
Set an individual paramater for a projection